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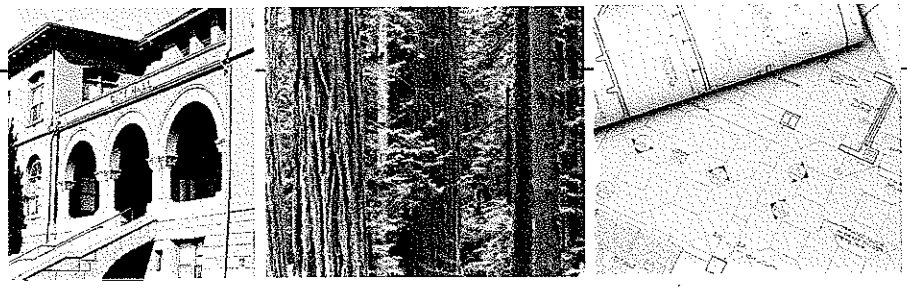

Asbestos and Lead Sampling

City of Santa Barbara
Mission Creek, Mason,
Cota & Chapala Street Bridges
Santa Barbara, California

Project No. CSB25426

Prepared for:
Frank Cunningham
City of Santa Barbara
630 Garden Street
Santa Barbara, California 93101

Prepared by:
Navid Salari
RGA Environmental, Inc.
18662 MacArthur Blvd. Suite 330
Irvine, CA 92612
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September 9, 2010

Report prepared by: _____ Navid Salari
Industrial Hygienist

Report reviewed by: _____ Steve Rosas
Project Manager

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Appendices

1. EXECUTIVE SUMMARY

The following is a report of limited asbestos and lead sampling conducted by Ruben Biglarian a California Certified Asbestos Consultant and Lead Certified by Department of Public Health (DPH) and Kumar Gunaratna a California Certified Site Surveillance Technician with RGA Environmental, Inc. (RGA). The sampling was conducted on August 24, 2010 in Santa Barbara, California.

A total of nine (9) bulk samples of suspect asbestos-containing materials (ACMs) were collected during the site inspection. Asbestos was not detected in any of the materials sampled.

A total of eleven (11) samples of paint were collected to be analyzed for lead content. The following samples contain lead above the federal standard of 5,000 parts per million (ppm) and are considered Lead-Based Paint (LBP):

- Sample number L3, green paint on 12" metal pipe drain at Mason bridge
- Sample number L4, green paint on cross braces throughout
- Sample number L5, white paint on gas pipe

The following samples contain lead below the federal standard and are considered Lead-containing paint (LCP):

- Sample number L2, white paint on wood at Mason bridge
- Sample number L6 & L7, gray paint on metal at Chapala bridge
- Sample number L8, white paint on wood at Cota bridge
- Sample number L-10, gray paint on concrete at Cota bridge
- Sample number L11, black paint on metal at west Cota bridge

Laboratory results indicate that sample number L-1 and L-9 were below the detection limit of 40 ppm.

2. SCOPE OF WORK

The scope of the survey was as follows:

- Conduct asbestos and lead sampling at Mission Creek, Mason, Cota and Chapala Street bridges in Santa Barbara, California.

- Collect a representative number of samples of suspect ACMs following the National Emissions Standards for Hazardous Air Pollutants (NESHAPS) protocol for sample collection. Asbestos bulk samples were analyzed using polarized light microscopy (PLM) in accordance with Environmental Protection Agency's (EPA) July 1993 method for the determination of asbestos in bulk building materials - EPA 600/R-93/116.

- Collect bulk paint chip samples of paint suspected to be lead containing, and analyze by Flame Atomic Absorption (EPA-7420).

- Submit a written report, including project summary, notes and analytical results.

3. METHODS AND SAMPLING STRATEGY

Visual Inspection
Accessible and visible materials were visually inspected using the methods presented in the Federal Asbestos Hazard Emergency Response Act (AHERA) regulations (40 CFR, Part 763) as a guideline. AHERA was originally only applicable to schools; however State and Federal Occupational Safety and Health Administration (OSHA) have adopted the AHERA sampling methodology for all buildings subject to demolition or renovation.

Demolition of bridge components was not performed to access hidden materials. Consequently, unidentified ACMs may be hidden. RGA makes no warranty as to the possible existence or absence of such materials or to their evaluation in respect to asbestos content.

Bulk Sampling of Asbestos
Bulk samples of suspect ACMs were collected from each homogeneous material. A homogeneous material is defined as a surfacing material, thermal system insulation, or miscellaneous material that is similar in size, color, texture and age of construction. Examples of homogeneous materials include:

The bridges were visually inspected for the presence of suspect materials. As accessible materials were identified, bulk samples were obtained with the aid of a coring device or other hand tool and placed into individual sample containers. Each sample was given a discrete identification number and recorded on field notes as well as chain-of-custody forms.

Please refer to Appendix 1 for laboratory analytical results and chain-of-custody.

Lead Paint Sampling
Paint samples were collected using a hand scraper and were placed into individual sampling containers. Each sample was provided a discrete sample number and was recorded on a chain-of-custody form.

Please refer to Appendix 2 for laboratory analytical results and chain-of-custody.

Bulk Sample Analysis - Asbestos
Asbestos samples were transported under chain-of-custody procedures to L.A Testing in Garden Grove, California. L.A. Testing is a laboratory accredited by the National Institute of Standards and Technology's National Voluntary Laboratory Accreditation Program (NVLAP).

All samples were analyzed using PLM techniques in accordance with a methodology approved by the U.S. EPA. As set forth in the Code of Federal Regulations (CFR), 40 CFR Part 763, Appendix A to Subpart F, Section 1.2 and 1.7.2.4, the lower limit of reliability detection for asbestos using the PLM method is approximately one percent (1%) by volume. State of California Occupational Health and Safety (Cal-OSHA) defines asbestos containing construction materials (ACCM) as those materials having an asbestos content of greater than one tenth of one percent (>0.1%).

When None Detected (ND) appears in this report, it should be interpreted as meaning no asbestos was observed in the sample material above the reliable limit of detection for the PLM method.

Note: under EPA assessment criteria, if a single sample of homogeneous material tests positive for asbestos, then the entire homogeneous material is considered to be asbestos containing.

Paint Sample Analysis – Lead Paint
The samples were transported under chain-of-custody procedures to LA Testing. LA Testing is accredited by the American Industrial Hygiene Association's (AIHA's) Environmental Lead Laboratory Accreditation Program (ELLAP) for the analysis of lead in paint chips, dust wipes, and/or soil.

The samples were analyzed for lead content using the Flame Atomic Absorption spectroscopy (FLAA) in accordance with EPA Method SW846-7420. When "<" appears in the lead sample report, it should be interpreted as meaning below analytical detection limit and no lead was detected in the paint sample.

4. ASBESTOS RESULTS

During the RGA site visit on August 24, 2010, a total of nine (9) samples of suspect ACM were collected in accessible street bridges. The following table presents the general sample locations and results.

Asbestos Bulk Sampling Results
(PLM EPA 600, Analysis)

Sample Number	Material Description	Material Location	Result
1A	Gray concrete	Mason Bridge, foundation, east	None Detected
1B	Gray concrete	Mason Bridges, foundation, west	None Detected
1C	Gray concrete	Mason Bridge, foundation, north	None Detected
2A	Concrete/grout	Chapala bridge, west	None Detected
2B	Concrete/grout	Chapala bridge, east	None Detected
2C	Concrete/grout	Chapala bridge, east	None Detected

3A	Concrete	W. Cota bridge, east	None Detected
3B	Concrete	W. Cota bridge, north	None Detected
3A	Concrete	W. Cota bridge, south	None Detected

Laboratory results indicate that asbestos was not detected in any of the materials sampled.

Asbestos-Containing Materials (ACM) is defined as materials containing asbestos in an amount greater than 1% by weight.

5. LEAD RESULTS

A total of eleven (11) paint samples were collected from the various bridges components where peeling paint or damage materials was observed during the site visit. The following table presents the paint color, general sample locations and lead content:

Lead Paint Sampling Results
(EPA, SW846-7420)

Sample Number	Paint Color	Substrate	Material Location	Lead concentration ppm
L-1	Red	Concrete	Mason bridge, street curb	<40
L-2	White	Wood	Mason bridge	2,200
L-3	**Green**	**Metal**	**Mason bridge, 12" drain pipe**	**120,000***
L-4	**Green**	**Metal**	**Mason bridge, cross brace**	**84,000***
L-5	**White**	**Metal**	**Mason bridge, 3" pas pipe, west side**	**13,000***
L-6	Gray	Metal	Chapala bridge, cross braces	710
L-7	Gray	Metal	Chapala street bridge	2,000
L-8	White	Wood	W. Cota bridge, fence	48
L-9	Gray	Concrete	W. Cota bridge, siding	<40
L-10	Gray	Concrete	W. Cota bridge, east	68
L-11	Black	Metal	W. Cota bridge, railing	140

ppm = Parts per million

Laboratory results indicate that the following samples contain lead above the federal standard of 0.5% by weight or 5,000 Parts Per million (ppm) and are considered Lead-Based Paint (LBP):

- Sample number L3, green paint on 12" metal pipe drain at Mason bridge
- Sample number L4, green paint on cross braces throughout
- Sample number L5, white paint on gas pipe

*** Lead-based paint (LBP) refers to paint or other surface coating that contain an amount of lead equal to, or in excess of 5,000 parts per million. Title 17, California Code of Regulations.**

The following samples contain lead below the federal standard and are considered lead-containing paint (LCP):

- Sample number L2, white paint on wood at Mason bridge
- Sample number L6 & L7, gray paint on metal at Chapala bridge
- Sample number L8, white paint on wood at Cota bridge
- Sample number L-10, gray paint on concrete at Cota bridge
- Sample number L11, black paint on metal at west Cota bridge

Lead-containing paint (LCP) is any detectable amount of lead less than 5,000 Parts Per Million (ppm). California Code of Regulations, Title 8, Section 1532.1. Lead.

Laboratory results indicate that sample number L-1 and L-9 were below the detection limit of 40 ppm.

6. REGULATORY REQUIREMENTS

Lead

Impacting lead or lead-containing materials either through repair, maintenance, renovation or demolition activities triggers numerous regulations enforced by such agencies as OSHA (worker protection), EPA (environmental exposure, transportation and disposal), and California Department of Public Health (DPH). The Contractor shall comply with all applicable federal, state and local regulations.

Listed below are the lead paint regulations that apply if the paint is removed:

- The Consumer Product Safety Commission (CPSC) has set a maximum limit of 600 ppm in paint used for residential purposes. The Department of Housing and Urban Development (HUD) requires abatement of lead hazards involving paint in concentrations exceeding 5,000 ppm.

- California OSHA enforces the Lead in Construction Standard in Title 8 CCR 1532.1. The scope covers construction work where employees may be exposed to lead at concentrations equal to or exceeding 0.06% lead dry weight (600 ppm) during such activities as demolition, removal, surface preparation for re-painting, renovation, clean-up and routine maintenance. The OSHA specified method of compliance includes respiratory protection, protective clothing and equipment, housekeeping, hygiene facilities, medical surveillance, and training, among other requirements.

- California Department of Public Health (DPH) has developed regulations for accreditation, certification, and work practices for lead-based paint and lead hazards (Title 8 CCR, Division 1, Chapter 8).

- The Contractor shall create waste streams and perform all appropriate waste stream testing as required by the regulations. The Contractor shall collect composite and representative samples per waste stream. Testing is considered part of the work and shall be included in the Contractor bid. Testing shall include, but is not limited to, Total Threshold Limit Concentration (TTLC), Soluble Threshold Limit Concentrations (STLC), Toxicity Characteristic Leaching Procedure (TCLP), and any test deemed necessary by the disposal facility (s). Waste steam testing shall be completed for each identified waste stream and additionally identified waste streams that may be discovered during the work.

7. RECOMMENDATIONS

During renovation and demolition operations, materials may be uncovered that are different from those accessible for sampling during this inspection. Personnel in charge of renovation or demolition should be alerted to note materials uncovered during these operations, which differ substantially from those included in this inspection. If suspect ACM or Lead is found, additional sampling should be collected for analysis.

8. LIMITATIONS

This report is not intended to identify all hazards or unsafe conditions or to imply that others do not exist.

RGA warrants that the findings contained herein have been prepared in general accordance with accepted professional practices as applied by similar professionals in the community at the time of its preparation. Changes in the state of the art or in applicable regulations cannot be anticipated and have not been addressed in this report.

Note that massive destructive testing was not conducted during the survey. Consequently, unidentified asbestos and lead-containing materials may be present such as pipe insulation between walls and other hidden or non-accessible suspect materials. RGA does not warrant the presence of ACMs or lead-containing materials under the above condition.

The information provided in this report is not intended to be used as a biddable document for abatement purposes.

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Appendix 1

Asbestos Laboratory Analysis Results and Chain-of-Custody

LA Testing
11652 Knott Street Unit F5, Garden Grove, CA 92841
Phone: (714) 828-4999 Fax: (714) 828-4944 Email: losalamitoslab@latesting.com

Attn: **Irene Benavides**
RGA Environmental, Inc.
18662 MacArthur Blvd.
Suite 330
Irvine, CA 92612

Fax: Phone: (949) 428-7060
Project: **CSB25426 Mason St Bridge (@ Kimberly)**

Customer ID: 32RGAE62
Customer PO: 11769
Received: 08/24/10 5:00 PM
LA Testing Order: 331010295

LA Testing Proj:
Analysis Date: 8/26/2010

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1A *331010295-0001*	Bridge foundation E	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
1B *331010295-0002*	Bridge foundation W	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
1C *331010295-0003*	Bridge foundation N	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Initial report from 08/26/2010 16:17:50

Analyst(s)

Aja India Davis (3)

Derrick Tanner, Laboratory Manager
or other approved signatory

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331010295

Chain of Custody

Asbestos Lab Services

LA Testing
10772 Noel Street
Los Alamitos, CA 90720

Phone: (714) 828-4999
Fax: (714) 828-4944
http://www.latesting.com

Please print all information legibly.

Company:	RGA Environmental	*Bill To:*	RGA Environmental
Address1:	18662 MacArthur Blvd.	*Address1:*	18662 MacArthur Blvd.
Address2:	Suite 330	*Address2:*	Suite 330
City, State:	Irvine, CA	*City, State:*	Irvine, CA
Zip/Post Code:	92612	*Zip/Post Code:*	92612
Country:	USA	*Country:*	USA
Contact Name:	Irene Benavides	*Attn:*	Irene Benavides
Phone:	949-428-7060	*Phone:*	949-428-7060
Fax:	949-428-7089	*Fax:*	949-428-7089
Email:	irene.benavides@rgaenv.com	*Email:*	irene.benavides@rgaenv.com
LA Testing Rep:		*P.O. Number:*	IRV
Project Name/Number:	CSB 75A26	TOTAL # SAMPLES:	(9)

MATRIX			TURNAROUND			
☐ Air	☐ Soil	☐ Micro-Vac	☐ 3 Hours	☐ 6 Hours	☐ Same Day or 12 Hours*	☒ 24 Hours (1 day)
☒ Bulk	☐ Drinking Water		☐ 48 Hours (2 days)	☐ 72 Hours (3 days)	☐ 96 Hours (4 days)	☐ 120 Hours (5 days)
☐ Wipe	☐ Wastewater		☐ 144+ hours (6-10 days)			

TEM AIR, 3 hours, 6 hours, Please call ahead to schedule. There is a premium charge for 3-hour tat, please call 1-800-220-3675 for price prior to sending samples. You will be asked to sign an authorization form for this service.

***12 hours (must arrive by 11:00a.m. Mon -Fri), Please Refer to Price Quote**

PCM - Air
- ☐ NIOSH 7400(A) Issue 2: August 1994
- ☐ OSHA w/TWA
- ☐ Other:

PLM - Bulk
- ☒ EPA 600/R-93/116
- ☐ EPA Point-Count
- ☐ NY Stratified Point Count
- ☐ PLM NOB (Gravimetric) NYS 198.1
- ☐ NIOSH 9002:
- ☐ LA Testing Standard Addition:

SEM Air or Bulk
- ☐ Qualitative
- ☐ Quantitative

TEM Air
- ☐ AHERA 40 CFR, Part 763 Subpart E
- ☐ NIOSH 7402
- ☐ EPA Level II

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield SOP - 1988-02
- ☐ TEM NOB (Gravimetric) NYS 198.4
- ☐ LA Testing Standard Addition:

PLM Soil
- ☐ EPA Protocol Qualitative
- ☐ EPA Protocol Quantitative
- ☐ LA Testing MSD 9000 Method fibers/gram

TEM WATER
- ☐ EPA 100.1
- ☐ EPA 100.2
- ☐ NYS 198.2

TEM Microvac/Wipe
- ☐ ASTM D 5755-95 (quantative method)
- ☐ Wipe Qualitative

XRD
- ☐ Asbestos
- ☐ Silica NIOSH 7500

OTHER
- ☐

331010295

331010295

RGA Environmental, Inc.

__PM – S. Jackson steve@rgaenv.com fax: 510.899.7069	__PM – K. Schroeter karin@rgaenv.com fax: 510.899.7063	__PM – K. Pilgrim ken@rgaenv.com fax: 510.899.7053
__PM – P. Garrett pat@rgaenv.com fax: 510.899.7062	__PM – T. Kattchee tedd@rgaenv.com fax: 510.899.7070	__PM – B. Gils bob@rgaenv.com fax: 510.899.7050

ACM BULK SAMPLE DATA SHEET

* PLM Analysis

__ Stop Analysis at First Positive PAGE 1 OF 1

__ Analyze All Samples

__ Point Count Analysis (400-point)

Project Name/Address: Mason St. Bridge (@ Kimberly)

RGA Project #: CSB 25426 Sampled By: _____ Sampling Date: 8/24

Sample(s) Sent To: ☐ R.J. Lee ☐MAL ☐ Schneider Other: _____ TAT: ___Rush ___24Hrs ___3-5 Days

FAX OR E-MAIL REPORT TO: *SEE ABOVE PROJECT MANAGER (PM)**

***ADDITIONAL REPORT RECIPIENT(S): _____ ***

HM# 1	Material Description: Concrete - Gray	
Sample ID	Sample Location & Material Location	Quantity:
1A	Bridge Foundation E	
1B	" " W	
1C	" " N	

HM#	Material Description:	
Sample ID	Sample Location & Material Location	Quantity:

HM#	Material Description:	
Sample ID	Sample Location & Material Location	Quantity:

HM#	Material Description:	
Sample ID	Sample Location & Material Location	Quantity:

HM#	Material Description:	
Sample ID	Sample Location & Material Location	Quantity:

Relinquished By: K. Gramratna Signature: _____ Date/Time: 8/24/10

Received By: _____ Signature: _____ Date/Time: 8/24/10 5pm

Relinquished By: _____ Signature: _____ Date/Time:

LA Testing
11652 Knott Street Unit F5, Garden Grove, CA 92841
Phone: (714) 828-4999 Fax: (714) 828-4944 Email: losalamitoslab@latesting.com

Attn: **Irene Benavides**
RGA Environmental, Inc.
18662 MacArthur Blvd.
Suite 330
Irvine, CA 92612

Fax: Phone: (949) 428-7060
Project: **CSB25426, Chapala St. Bridge**

Customer ID: 32RGAE62
Customer PO:
Received: 08/24/10 5:00 PM
LA Testing Order: 331010297

LA Testing Proj:
Analysis Date: 8/26/2010

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
2A *331010297-0001*	Base of bridge-west	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
2B *331010297-0002*	Base of bridge-east	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
2C *331010297-0003*	Base of bridge-east	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Initial report from 08/26/2010 15:22:35

Analyst(s)

Aja India Davis (3)

Derrick Tanner, Laboratory Manager
or other approved signatory

THIS IS THE LAST PAGE OF THE REPORT.

331010297

RGA
ENVIRONMENTAL
18662 MacArthur Blvd. Suite 330
Irvine, CA 92612
Phone: (949) 428-7060 Fax: (949) 428-7089

331010297

ACM BULK SAMPLE DATA SHEET

* PLM Analysis

Project Name/Address: CHAPALA ST. BRIDGE P.M. Initial: SF

RGA Project #: CSB25426 Sampled By: Kuman Sampling Date: 8/24/10

Sample(s) Sent To: ☐ L.A. Testing ☐ RGA Lab ☐ Other: ____ Turnaround Time: ___Rush ___24Hrs ___3-5 Days

Email Report To: Irene.benavides@rgaenv.com

HM# 2	Material Description: Concrete/Grout · Base of Bridges	
Sample ID	Sample Location & Material Location	Quantity:
2A	Base of Bridge – West	
2B	↓ – East	
2C	↓ – East	

HM#	Material Description:	
Sample ID	Sample Location & Material Location	Quantity:

HM#	Material Description:	
Sample ID	Sample Location & Material Location	Quantity:

HM#	Material Description:	
Sample ID	Sample Location & Material Location	Quantity:

HM#	Material Description:	
Sample ID	Sample Location & Material Location	Quantity:

HM#	Material Description:	
Sample ID	Sample Location & Material Location	Quantity:

Relinquished By: Kuman Benavides Signature: [signature] Date/Time: 8/23/10

Received By: ____ Signature: [signature] Date/Time: 8/24/10 5pm

LA Testing
11652 Knott Street Unit F5, Garden Grove, CA 92841 .
Phone: (714) 828-4999 Fax: (714) 828-4944 Email: losalamitoslab@latesting.com

Attn: **Irene Benavides**
RGA Environmental, Inc.
18662 MacArthur Blvd.
Suite 330
Irvine, CA 92612

Fax: Phone: (949) 428-7060
Project: **CSB25426, W. Cota Bridge @ Bath St**

Customer ID: 32RGAE62
Customer PO:
Received: 08/24/10 5:00 PM
LA Testing Order: 331010296

LA Testing Proj:
Analysis Date: 8/26/2010

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
3A *331010296-0001*	East end bridge N	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
3B *331010296-0002*	West end bridge N	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
3C *331010296-0003*	West end bridge S	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Initial report from 08/26/2010 16:06:28

Analyst(s)

Aja India Davis (3)

Derrick Tanner, Laboratory Manager
or other approved signatory

THIS IS THE LAST PAGE OF THE REPORT.

331010296

RGA ENVIRONMENTAL

18662 MacArthur Blvd. Suite 330
Irvine, CA 92612
Phone: (949) 428-7060 Fax: (949) 428-7089

331010296

ACM BULK SAMPLE DATA SHEET

* PLM Analysis

Project Name/Address: W. 20TA Bridge @ Bathurst St P.M. Initial: SR

RGA Project #: CSBRS426 Sampled By: Kamal Sampling Date: 8/24

Sample(s) Sent To: ☐ L.A. Testing ☐ RGA Lab ☐ Other: ______ Turnaround Time: ___Rush ___24Hrs ___3-5 Days

Email Report To: Irene.benavides@rgaenv.com

HM# 3	Material Description: Concrete Bridge Side	
Sample ID	Sample Location & Material Location	Quantity:
3A	~~West end~~ ~~Bri.~~ East end Bridge (N)	
3B	West end Bridge (N)	
3C	" " " (S)	

HM#	Material Description:	
Sample ID	Sample Location & Material Location	Quantity:

HM#	Material Description:	
Sample ID	Sample Location & Material Location	Quantity:

HM#	Material Description:	
Sample ID	Sample Location & Material Location	Quantity:

HM#	Material Description:	
Sample ID	Sample Location & Material Location	Quantity:

HM#	Material Description:	
Sample ID	Sample Location & Material Location	Quantity:

Relinquished By: Kamal Gunavathi Signature: [signature] Date/Time: 8/24/10

Received By: ______ Signature: [signature] Date/Time: 8/24/10 5pm

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Appendix 2

Lead Laboratory Analysis Results and Chain-of-Custody

LA Testing
11652 Knott Street Unit F5, Garden Grove, CA 92841
Phone: (714) 828-4999 Fax: (714) 828-4944 Email: losalamitoslab@latesting.com

Attn: **Irene Benavides**
RGA Environmental, Inc.
18662 MacArthur Blvd.
Suite 330
Irvine, CA 92612

Fax: Phone: (949) 428-7060

Project: **CSB25426, Mason St Bridge @ Kimberly**

Customer ID: 32RGAE62
Customer PO: 11770
Received: 08/24/10 5:00 PM
LA Testing Order: 331010289

LA Testing Proj:

Test Report: Total Threshold Limit Concentration

Lab ID:	*Analyzed*	*RDL*	*Lead Concentration*	*Notes*
0001	8/25/2010	40 ppm	<40 ppm	Site: Street curb (west end)
Client Sample L1				***Collected:*** 8/24/2010
0002	8/25/2010	40 ppm	2200 ppm	Site: Bridge wood members (west end)
Client Sample L2				***Collected:*** 8/24/2010
0003	8/25/2010	40 ppm	120000 ppm	Site: 12" dia drain pipe @ west side
Client Sample L3				***Collected:*** 8/24/2010
0004	8/25/2010	40 ppm	84000 ppm	Site: Support 'L' brackets (holding drain pipe)
Client Sample L4				***Collected:*** 8/24/2010
0005	8/25/2010	40 ppm	13000 ppm	Site: 3" dia gas pipe along west side of bridge
Client Sample L5				***Collected:*** 8/24/2010

Initial report from 08/25/2010 18:18:57

Michael Chapman

Michael Chapman, Laboratory Manager
or other approved signatory

This report relates only to those items tested. Sample received in acceptable condition unless otherwise noted.
Samples analyzed by LA Testing 11652 Knott Street Unit F5, Garden Grove CA

331010289

LA TESTING

Chain of Custody

Lead Lab Services

331010289

Please print all information legibly.

10772 Noel Street
Los Alamitos, CA 90720

Phone: (714) 828-4999
Fax: (714) 828-4944
http://www.latesting.com

Company:	RGA Environmental	*Bill To:*	RGA Environmental
Address1:	18862 MacArthur Blvd Suite 330	*Address1:*	18862 MacArthur Blvd Suite 330
Address2:		*Address2:*	
City, State:	Irvine, CA	*City, State:*	Irvine, CA
Zip/Post Code:	92612	*Zip/Post Code:*	92612
Country:		*Country:*	
Contact Name:	Irene Benavides	***Attn:***	Irene Benavides
Phone:	949 428 7060	*Phone:*	949 428 7060
Fax:		*Fax:*	
Email:		*Email:*	
LA Testing Rep:		***P.O. Number:***	IRV-
Project Name/Number:	CSB25926	TOTAL # SAMPLES:	(11)

MATRIX	METHOD	INSTRUMENT	RL (Reporting Limit)	TAT
Lead Chips*	SW846-7420, 3050B Mod./AOAC(974.02)	Flame Atomic Absorption	0.01% ++	24 HRS.
Lead WasteWater	SW846-7420	Flame Atomic Absorption	0.4 mg/l water 40 mg/kg (ppm) soil	
Lead Soil +	or SW846-6010B	ICP	0.1 mg/l water 10 mg/kg (ppm) soil	
Lead in Air ***	NIOSH 7082 Mod.	Flame Atomic Absorption	4 ug/filter	
	or NIOSH 7300 Mod.	ICP	3.0 ug/filter	
Lead in Wipe^ ☐ -ASTM *List Wipe Type* _____ ☐ -non ASTM	SW846-7420 / HUD Appendix 14.2 Digest	Flame Atomic Absorption	10 ug/wipe	
	or SW846-6010B	ICP	3.0 ug/wipe	
TCLP Lead **	SW846-1311/ 7420	Flame Atomic Absorption	0.4 mg/l (ppm)	
	or SW846-6010B	ICP	0.1 mg/l (ppm)	
STLC Lead (California) #	CA Title 22 66261.126/ SW846-7420	Flame Atomic Absorption	0.4 mg/l (ppm)	
	or SW846-6010B	ICP	0.1 mg/l (ppm)	
Lead in Air ****	NIOSH 7105 Mod.	Graphite Furnace Atomic Absorption	0.03 ug/filter	
Lead WasteWater	SW846-7421	Graphite Furnace Atomic Absorption	0.003 mg/l (ppm) water	
Lead Soil +			0.03 mg/kg (ppm) soil	
Lead in Drinking Water (check state Certification requirements)	EPA 239.2 / 200.9	Graphite Furnace Atomic Absorption	0.003 mg/l (ppm)	
Total Dust	NIOSH 0500-0600	Gravimetric Reduction	0.0001g	

TAT (Turnaround) - Same day, 24 hr - 1 Day, 2 Days, 3 Days, 4 Days, 5 Days, 6-10 Days
*, **, ***, ****, +, ++ ,# Please Refer to Price Quote
^ If no box is checked, non-ASTM is assumed

331010289

RGA ENVIRONMENTAL

331010289

18662 MacArthur Blvd., Ste. 330
Irvine, California 92612
Tel: (949) 428-7060
Fax: (949) 428-7089

LEAD PAINT SAMPLE DATA SHEET

* Lead Analysis
- Total Threshold Limit Concentration

PAGE 1 OF 1

Project Name/Address: Mason St. Bridge @ Kimberly P.M. Initial: SR

RGA Project #: CSB 21426 Sampled By: Kama / Frank Sampling Date: 8/24/10

Sample(s) Sent To: ☐ L. A. Testing ☐ Other: _____ Turnaround Time: ___Rush ___24Hrs ___Other

Email Report To: ☐ **Irene Benavides** ☐ **Navid Salari** ☐ **Other** _____

Sample ID	Paint Description and Sample Location	Peeling Quantity
L 1	Paint Color: RED Substrate: Concrete Composite Sample: (Y) / N Sample Location: Street Curb (west end)	
L 2	Paint Color: White Substrate: Wood Composite Sample: (Y) / N Sample Location: Bridge WOOD Members (West end)	
L 3	Paint Color: Green Substrate: Metal Composite Sample: (Y) / N Sample Location: 12" DIA DRAIN PIPE @ West side	
L 4	Paint Color: Green Substrate: Metal Composite Sample: (Y) / N Sample Location: Support 'L' Bracket (holding Drain Pipe)	
L 5	Paint Color: White Substrate: Metal Composite Sample: Y / N Sample Location: 3" DIA Gas pipe Guy along West side of Bridge	
	Paint Color: _____ Substrate: _____ Composite Sample: Y / N Sample Location:	
	Paint Color: _____ Substrate: _____ Composite Sample: Y / N Sample Location:	
	Paint Color: _____ Substrate: _____ Composite Sample: Y / N Sample Location:	

Relinquished By: K. Gunasekara **Signature:** _____ **Date/Time:** 8/24/10

Received By: _____ **Signature:** _____ **Date/Time:** 8/24/10 5pm

LA Testing
11652 Knott Street Unit F5, Garden Grove, CA 92841
Phone: (714) 828-4999 Fax: (714) 828-4944 Email: losalamitoslab@latesting.com

Attn: **Irene Benavides**
RGA Environmental, Inc.
18662 MacArthur Blvd.
Suite 330
Irvine, CA 92612

Fax: Phone: (949) 428-7060

Project: **Chapala St, Bridge, CSB25426**

Customer ID: 32RGAE62
Customer PO: 11770
Received: 08/24/10 5:00 PM
LA Testing Order: 331010288

LA Testing Proj:

Test Report: Total Threshold Limit Concentration

Lab ID:	*Analyzed*	*RDL*	*Lead Concentration*	*Notes*
0001	8/25/2010	40 ppm	710 ppm	Site: Center bridge cross braces
Client Sample L6				***Collected:*** 8/24/2010
0002	8/25/2010	40 ppm	2000 ppm	Site: Center bridge cross pipes (railings)
Client Sample L7				***Collected:*** 8/24/2010

Initial report from 08/25/2010 18:19:55

Michael Chapman

Michael Chapman, Laboratory Manager
or other approved signatory

This report relates only to those items tested. Sample received in acceptable condition unless otherwise noted.
Samples analyzed by LA Testing 11652 Knott Street Unit F5, Garden Grove CA

331010288

RGA ENVIRONMENTAL

331010288

18662 MacArthur Blvd., Ste. 330
Irvine, California 92612
Tel: (949) 428-7060
Fax: (949) 428-7089

LEAD PAINT SAMPLE DATA SHEET

* Lead Analysis
- Total Threshold Limit Concentration

PAGE 1 OF 1

Project Name/Address: CHAPALA ST. BRIDGE P.M. Initial: SF

RGA Project #: CSB24426 Sampled By: FRANK Sampling Date: 8/24/10

Sample(s) Sent To: ☐ L. A. Testing ☐ Other: _____ Turnaround Time: ___Rush X 24Hrs ___Other

Email Report To: ☐ **Irene Benavides** ☐ **Navid Salari** ☐ **Other** _____

Sample ID	Paint Description and Sample Location	Peeling Quantity
L6	Paint Color: GREY Substrate: Metal Composite Sample: (Y) / N Sample Location: Center Bridge - Cross Braces	
L7	Paint Color: GREY Substrate: METAL Composite Sample: (Y) / N Sample Location: Center Bridge - Cross pipes (railings)	
	Paint Color: _____ Substrate: _____ Composite Sample: Y / N Sample Location:	
	Paint Color: _____ Substrate: _____ Composite Sample: Y / N Sample Location:	
	Paint Color: _____ Substrate: _____ Composite Sample: Y / N Sample Location:	
	Paint Color: _____ Substrate: _____ Composite Sample: Y / N Sample Location:	
	Paint Color: _____ Substrate: _____ Composite Sample: Y / N Sample Location:	
	Paint Color: _____ Substrate: _____ Composite Sample: Y / N Sample Location:	

Relinquished By: Frank **Signature:** _____ **Date/Time:** 8/24/10

Received By: _____ **Signature:** _____ **Date/Time:** 8/24/10 5pm

LA Testing
11652 Knott Street Unit F5, Garden Grove, CA 92841
Phone: (714) 828-4999 Fax: (714) 828-4944 Email: losalamitoslab@latesting.com

Attn: **Irene Benavides**
RGA Environmental, Inc.
18662 MacArthur Blvd.
Suite 330
Irvine, CA 92612

Fax: Phone: (949) 428-7060

Project: **CSB25426, W. Cota Bridge @ Bata St.**

Customer ID: 32RGAE62
Customer PO:
Received: 08/24/10 5:00 PM
LA Testing Order: 331010290

LA Testing Proj:

Test Report: Total Threshold Limit Concentration

Lab ID:	*Analyzed*	*RDL*	*Lead Concentration*	*Notes*
0001	8/25/2010	40 ppm	48 ppm	Site: S fence along west bridge
Client Sample L8				***Collected:*** 8/24/2010
0002	8/25/2010	40 ppm	<40 ppm	Site: W bridge siding
Client Sample L9				***Collected:*** 8/24/2010
0003	8/25/2010	40 ppm	68 ppm	Site: E bridge siding
Client Sample L10				***Collected:*** 8/24/2010
0004	8/25/2010	40 ppm	140 ppm	Site: Metal rail @ W end of E bridge
Client Sample L11				***Collected:*** 8/24/2010

Initial report from 08/25/2010 18:17:57

Michael Chapman, Laboratory Manager
or other approved signatory

This report relates only to those items tested. Sample received in acceptable condition unless otherwise noted.
Samples analyzed by LA Testing 11652 Knott Street Unit F5, Garden Grove CA

331010290

RGA ENVIRONMENTAL

331010290

18662 MacArthur Blvd., Ste. 330
Irvine, California 92612
Tel: (949) 428-7060
Fax: (949) 428-7089

LEAD PAINT SAMPLE DATA SHEET

* Lead Analysis
- Total Threshold Limit Concentration

PAGE 1 OF 1

Project Name/Address: W. COTA BRIDGE @ Bath St. P.M. Initial:

RGA Project #: CSB 25426 Sampled By: Frank Sampling Date: 8/24/11

Sample(s) Sent To: ☐ L. A. Testing ☐ Other: Turnaround Time: Rush 24Hrs Other

Email Report To: ☐ Irene Benavides ☐ Navid Salari ☐ Other

Sample ID	Paint Description and Sample Location	Peeling Quantity
L8	Paint Color: White Substrate: Wood Composite Sample: (Y) / N Sample Location: S. fence along West Bridge.	
L9	Paint Color: Gray Substrate: Concrete Composite Sample: (Y) / N Sample Location: W Bridge siding	
L10	Paint Color: Gray Substrate: Concrete Composite Sample: (Y) / N Sample Location: E. Bridge siding	
L11	Paint Color: Black Substrate: Metal Composite Sample: (Y) / N Sample Location: Metal rail @ N end of E. Bridge	
	Paint Color: Substrate: Composite Sample: Y / N Sample Location:	
	Paint Color: Substrate: Composite Sample: Y / N Sample Location:	
	Paint Color: Substrate: Composite Sample: Y / N Sample Location:	
	Paint Color: Substrate: Composite Sample: Y / N Sample Location:	

Relinquished By: Frank G Signature: Date/Time: 8/24/11

Received By: Signature: Date/Time: 8/24 1:05pm

RGA
ENVIRONMENTAL

Appendix 3

Site Inspector Certificate

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Rouben Biglarian
Name

Certification No. **93-0951**

Expires on **04/01/11**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

State of California Department of Public Health

Inspector/Assessor 03/24/2011
Project Monitor 03/24/2011

Rouben Biglarian ID #: 1814

STATE OF CALIFORNIA — Arnold Schwarzenegger, *Governor*

DEPARTMENT OF INDUSTRIAL RELATIONS
DIVISION OF OCCUPATIONAL SAFETY AND HEALTH
ASBESTOS CONSULTANT and TRAINER APPROVAL UNIT
2211 Park Towne Circle, Suite 1
Sacramento, CA 95825
Tel: (916) 574-2993 Fax: (916) 483-0572

3050633641 252 261

January 12, 2010

RGA Environmental
Indra K Gunaratna
18662 MacArthur Blvd, #330
Irvine CA 92612

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. **To maintain your certification, please abide by the rules printed on the back of the certification card.**

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification. Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as a CAC or CSST.

Please inform our office at the above address, fax number or actu@dir.ca.gov of any changes in your contact/mailing information within 15 days of the change.

Sincerely,

Jeff Ferrell
Senior Industrial Hygienist

JF/ms

Attachment: Certification Card
cc: File

(Renewal – Card Attached Revised 8/29/06)